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## TRANSMITTAL FORM

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/608,200	
	Filing Date	June 27, 2003	
	First Named Inventor	Jean-Marc Payrat, et al.	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission		Attorney Docket Number	F-4066-DIV-CONT-DIV II

### ENCLOSURES (Check all that apply)

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### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Andrew G. Kolomayets
Signature	
Date	October 8, 2003

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PATENT  
Attorney Docket No. F-4066-DIV-CONT-DIV II

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )  
Jean-Marc Payrat, et al. )  
Serial No.: 10/608,200 )  
Filed: June 27, 2003 )  
Examiner: )  
Art Unit: )  
For: RED BLOOD CELL COMPOSITION )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §1.97, Applicant hereby calls the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application. Copies of each of the documents were provided by the Office or submitted by Applicants to the Patent Office in one (or more) of U.S. Serial No. 09/268,405, filed March 15, 1999, which is a continuation of Serial No. 08/742,229, filed October 31, 1996, which is a continuation of Serial No. 08/491, 099, filed June 16, 1995, which is a continuation of Serial No.

08/216,734, filed March 22, 1994, which is a divisional of Serial No. 07/610,478, filed November 7, 1990, which are being relied upon for an earlier filing date under 35 USC 120. Accordingly, pursuant to 37 C.F.R. §1.98(d), copies of the documents are not being submitted herewith. Copies of the two Board Decisions (references DN and DO on the attached List of Citations) were previously submitted with the application papers. If copies of any such documents are not available to the Examiner or are otherwise required, Applicant will gladly provide them.

No inference should be drawn that the attached list sets forth a comprehensive investigation of the prior art, that any or all are pertinent to the invention, or that any apparatus disclosed is equivalent to the subject invention.

The citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the instant patent application.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. Accordingly, it is believed that no fee under 37 CFR 1.97(c) is required. If it is determined that a fee is required for this Information Disclosure Statement, please charge our Deposit Account No. 50/1039.

Respectfully submitted,

  
\_\_\_\_\_  
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37 CFR 1.501  
**INFORMATION DISCLOSURE STATEMENT  
IN A PATENT**  
 (use several sheets if necessary)

Docket No. F-4066 DIV-CONT-DIV II	Serial No. 10/608,200
Applicant Payrat et al.	
Filing Date June 27, 2003	Group Art Unit Unknown

## U.S. PATENT DOCUMENTS

Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If appropriate
	AA	Re. 32,874	02/21/89	Rock et al.			
	AB	4,082,509	04/04/78	Talcott			
	AC	4,222,379	09/16/80	Smith			
	AD	4,267,269	05/12/81	Grode et al.			
	AE	4,356,172	10/26/82	Nakao et al.			
	AF	4,572,899	02/25/86	Walker et al.			
	AG	4,585,735	04/29/86	Meryman et al.			
	AH	4,608,178	08/26/86	Johansson et al.			
	AI	4,675,185	06/23/87	Kandler et al.			
	AJ	4,695,460	09/22/87	Holme			
	AK	4,704,352	11/03/87	Miripol et al.			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
AL	WO 81/02239	08/20/81	PCT				
AM	100 419	02/15/84	Europe				
AN	0 044 864	06/05/85	Europe				
AO	WO 86/00809	02/13/86	PCT				
AP	WO 88/1871	03/24/88	PCT				

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	Asakuta et al., "pH dependency of 2,3-diphosphoglycerate content in red blood cells". <i>Clin. Chim. Acta</i> , Vol. 14, 1966, pp. 840-841.
AR	Bessis, "Red Cell Shapes. An Illustrated Classification and Its Rationale", <i>Nouvelle Revue Française d'Hématologie</i> , Vol. 12, No. 6, 1972, pp. 721-746.
AS	Bartlett, "Use of Adenine in Blood Making", <i>Laboratory for Comparative Biochemistry</i> , pp. 347-350.
AT	Beutler, "Viability, Function, and Rejuvenation of Liquid-Stored Red Cells", pp. 195-213
AU	Beutler et al., "Depletion and Regeneration of 2,3-diphosphoglyceric Acid in Stored Red Blood Cells", <i>Transfusion</i> , Vol. 9, No. 3, 1969, pp. 109-113.
AV	Beutler, "Experimental Blood Preservatives for Liquid Storage", pp. 189-216.

Examiner	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If appropriate
	BA	4,769,318	09/06/88	Hamasaki et al.			
	BB	4,812,310	03/14/89	Sato et al.			
	BC	4,828,976	05/09/89	Murphy			
	BD	4,838,861	06/13/89	Sharp			
	BE	4,850,993	07/25/89	Champion et al.			
	BF	4,880,786	11/14/89	Sasakawa et al.			
	BG	4,889,943	12/26/89	Kawamura et al.			
	BH	4,892,537	01/09/90	Carmen et al.			
	BI	4,902,287	02/20/90	Carmen et al.			
	BJ	4,961,928	10/09/90	Holme et al.			
	BK	4,969,882	11/13/90	Carmen et al.			

**FOREIGN PATENT DOCUMENTS**

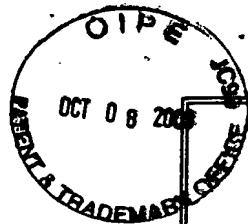
		Document Number	Date	Country	Class	Subclass	Translation	Yes	No
	BL	0 301 250	06/28/88	Europe					
	BM	0 313 808	09/20/88	Europe					
	BN	37 22 984	01/19/89	Germany					
	BO	0 142 339	04/26/89	Europe					
	BP	108 588	06/28/89	Europe					

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

BQ	Dern et al., "Studies on the preservation of human blood. II. The relationship of erythrocyte adenosine triphosphate levels and other in vitro measures to red cell storageability", <i>J. Lab. &amp; Clin. Med.</i> , Vol. 69, No. 6, 1967, pp. 968-978.
BR	Funder et al., "Chloride and Hydrogen Ion Distribution between Human Red Cells and Plasma", <i>Acta Physiol. Scand.</i> , Vol. 68, 1966, pp. 234-245.
BS	Griffin, B. et al., "Studies on the Procurement of Blood Coagulation Factor VIII," <i>Vox Sang.</i> , 55:9-13 (1988).
BT	Harmening et al., "The Use of Ion-Exchange Resins as a Blood Preservation System", <i>Transfusion</i> , Vol. 19, No. 6, 1979, pp. 675-681.
BU	Högman et al., "The Bottom and Top System: A New Technique for Blood Component Preparation and Storage", <i>Vox Sang.</i> , Vol. 55, 1988, pp. 211-217.
BV	Högman et al., "Red Cell Suspensions in SAGM Medium", <i>Vox Sang.</i> , Vol. 45, 1983, pp. 217-223.

Examiner	Date Considered
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Applicant Payrat et al.	
Filing Date June 27, 2003	Group Art Unit Unknown

## U.S. PATENT DOCUMENTS

Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If appropriate
	CA	4,994,046	02/19/91	Ikeda			
	CB	4,994,057	02/19/91	Carmen et al.			
	CC	4,997,083	03/05/91	Loretti et al.			
	CD	5,019,432	05/28/91	Kawamura et al.			
	CE	5,079,002	01/07/92	Nagai et al.			
	CF	5,248,506	09/28/93	Holme et al.			
	CG	5,250,303	10/05/93	Meryman et al.			
	CH	5,494,590	02/27/96	Smith et al.			
	CI						
	CJ						
	CK						

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	CL	WO 91/04659	04/18/91	PCT				
	CM	0 099 315	02/22/84	Europe				
	CN	0 152 719	12/09/81	Netherlands				
	CO	1106826	04/89	Japan				
	CP	WO 98/09660	03/12/98	PCT				

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CQ	LaCelle et al., "The Passive Permeability of the Red Blood Cells to Cations", <i>The Journal of General Physiology</i> , Vol. 50, 1966, pp. 171-188.
CR	Matsuyama et al., "Lack of Success with a Combination of Alanine and Phosphoenolpyruvate as an Additive for Liquid Storage of Red Cells at 4°C," <i>Transfusion</i> , Vol. 30, No. 4, 1990, pp. 339-343.
CS	Meryman, H.T., "Extended Storage of Washed Red Cells at 4°C," Abstract -14th International Symposium on Blood Transfusion.
CT	Meryman, H.T., "Prolonged Storage of Red Cells at 4°C," <i>Transfusion</i> , Vol. 26, No. 6, 1986, pp. 500-505.
CU	Messeter et al., "CPD-Adenine as a Blood Preservative--Studies in vitro and in vivo," <i>Chemical Abstracts</i> , Vol. 87, No. 13, 1977, #99582X and in <i>Transfusion</i> , Vol. 17., No. 3, pp. 210-217.
CV	Mezy et al., "Study and Use of the ACD-Adenine-Guanosine Blood Stabilizer," <i>Chemical Abstracts</i> , Vol. 89, N . 19, 1978, Abstract #16084W and in <i>Abstract and Acta Pharm. Hung</i> , Vol. 48, N . 4, pp. 145-150.

Examiner	Date Considered
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**INFORMATION DISCLOSURE STATEMENT  
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Docket No. F-4066 DIV-CONT-DIV II	Serial No. 10/608,200
Applicant Payrat et al.	
Filing Date June 27, 2003	Group Art Unit Unknown

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

DA	Mishler, J.M. et al., "Whole Blood Storage in Citrate and Phosphate Solutions Containing Half-Strength Trisodium Citrate—Cellular and Biochemical Studies," <i>The Journal of Pathology</i> , Vol. 124, No. 3, pp. 125-139.
DB	Moore et al., "Ascorbate-2-phosphate in red cell preservation: Clinical trials and active components", <i>Transfusion</i> , Vol. 28, No. 3, 1988, pp. 221-225.
DC	Moroff et al., "Proposed standardization of methods for determining the 24-hour survival of stored red cells", <i>Transfusion</i> , Vol. 24, No. 2, 1984, pp. 109-114.
DD	Napier, J.A.F. et al., "What is the 'Optimum' Optimal Additive Solution?", <i>Vox Sang.</i> 49:315-218 (1985).
DE	Prowse, C. et al., "Studies on the Procurement of Blood Coagulation Factor VIII in vitro Studies on Blood Components Prepared in Half-Strength Citrate Anticoagulant," <i>Vox Sang.</i> 52:257-264 (1987).
DF	Robertson, "Macroaggregate Formation in Optimal Additive Red Cells," <i>Vox Sang.</i> , 49:259-266 (1985).
DG	Rock et al., "In Vivo Effectiveness of a High-Yield Factor VIII Concentrate Prepared in a Blood Bank", <i>The New England Journal of Medicine - Medical Intelligence</i> , 311:310-313 (1984).
DH	Strauss et al., "SAG-Sucrose Medium for Red Blood Cell Preservation," in <i>Chemical Abstracts</i> , Vol. 106, No. 17, 1987, Abstract #136009Z and <i>Biomed. Biochem. ACTA</i> , Vol. 46, No. 2-3, pp. 295-299.
DI	Tsuboi, "Regulation of Erythrocyte Glycolysis Membrane-Mediated Activation Induced in Low-Electrolyte Medium", <i>Biochimica et Biophysica Acta</i> , Vol. 352, 1974, pp. 307-320.
DJ	Tsuda et al., "Intracellular pH of Red Cells Stored in Acid Citrate Dextrose Medium". <i>Specialia, Experientia</i> 28/12, 1972, pp. 1481-1482.
DK	Valeri et al., "Viability and Function of Red Blood Cell Concentrates Stored at 4°C for 35 Days in CPDA-1, CPDA-2, or CPDA-3," <i>Transfusion</i> , Vol. 22, No. 3, 1982, pp. 210-216.
DL	Vora et al., "The effect of additives on red cell 2,3 diphosphoglycerate levels in CPDA preservatives", <i>Transfusion</i> , Vol. 29, No. 3, 1989, pp. 226-229.
DM	Wood et al., "Storage of Erythrocytes in Artificial Media", <i>Transfusion</i> , Vol. 11, No. 3, 1971, pp. 123-133.
DN	Decision in Appeal No. 93-3239 – February 28, 1994
DO	Decision in Appeal No. 2002-0090 – April 30. 2003
DP	
DQ	

Examiner	Date Considered
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